

GenCore version 5.1.8  
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OM protein - protein search, using sw model

Run on: May 18, 2006, 12:23:38 ; Search time 26 Seconds  
(without alignments)  
1009.969 Million cell updates/sec

Title: US-09-518-931-2  
Perfect score: 1634  
Sequence: 1 MRALEGPGLSLCLVLALPA.....RVARMPGLERSVRERFLPVH 300

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/5\_COMB.pep:\*  
2: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/6\_COMB.pep:\*  
3: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/7\_COMB.pep:\*  
4: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/H\_COMB.pep:\*  
5: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/PCTUS\_COMB.pep:\*  
6: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/RE\_COMB.pep:\*  
7: /EMC\_Celerra\_SIDS3/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	1634	100.0	300	1	US-08-794-796-2
2	1634	100.0	300	2	US-09-632-277A-2
3	1634	100.0	300	2	US-09-523-323-52
4	1634	100.0	300	2	US-09-896-096A-1
5	1634	100.0	300	2	US-09-936-019-3
6	1634	100.0	300	2	US-09-936-024-3
7	1634	100.0	333	2	US-09-949-016-7678
8	1619.5	99.1	299	2	US-09-286-529-17
9	1491	91.2	271	2	US-09-936-019-1
10	1491	91.2	271	2	US-09-936-024-1
11	1177	72.0	211	2	US-09-286-529-20
12	855	52.3	146	2	US-09-523-323-59
13	841	51.5	153	2	US-09-286-529-2
14	465.5	28.5	326	2	US-10-232-858-71
15	465.5	28.5	326	2	US-09-338-063A-71

16	447	27.4	401	2	US-10-232-858-62	Sequence 62, Appl
17	447	27.4	401	2	US-09-338-063A-62	Sequence 62, Appl
18	445	27.2	272	2	US-10-232-858-75	Sequence 75, Appl
19	445	27.2	272	2	US-09-338-063A-75	Sequence 75, Appl
20	445	27.2	321	2	US-10-232-858-80	Sequence 80, Appl
21	445	27.2	321	2	US-09-338-063A-80	Sequence 80, Appl
22	445	27.2	327	2	US-10-232-858-72	Sequence 72, Appl
23	445	27.2	327	2	US-09-338-063A-72	Sequence 72, Appl
24	445	27.2	351	2	US-10-232-858-74	Sequence 74, Appl
25	445	27.2	351	2	US-09-338-063A-74	Sequence 74, Appl
26	445	27.2	393	2	US-10-232-858-79	Sequence 79, Appl
27	445	27.2	393	2	US-09-338-063A-79	Sequence 79, Appl
28	445	27.2	399	2	US-10-232-858-73	Sequence 73, Appl
29	445	27.2	399	2	US-09-338-063A-73	Sequence 73, Appl
30	445	27.2	401	2	US-10-232-858-5	Sequence 5, Appli
31	445	27.2	401	2	US-10-232-858-64	Sequence 64, Appl
32	445	27.2	401	2	US-10-232-858-65	Sequence 65, Appl
33	445	27.2	401	2	US-10-232-858-66	Sequence 66, Appl
34	445	27.2	401	2	US-09-338-063A-5	Sequence 5, Appli
35	445	27.2	401	2	US-09-338-063A-64	Sequence 64, Appl
36	445	27.2	401	2	US-09-338-063A-65	Sequence 65, Appl
37	445	27.2	401	2	US-09-338-063A-66	Sequence 66, Appl
38	444	27.2	293	2	US-09-896-096A-18	Sequence 18, Appl
39	444	27.2	362	2	US-10-232-858-11	Sequence 11, Appl
40	444	27.2	362	2	US-09-338-063A-11	Sequence 11, Appl
41	444	27.2	401	2	US-08-974-022-6	Sequence 6, Appli
42	444	27.2	401	2	US-09-042-785A-12	Sequence 12, Appl
43	444	27.2	401	2	US-08-795-445A-6	Sequence 6, Appli
44	444	27.2	401	2	US-08-795-447A-6	Sequence 6, Appli
45	444	27.2	401	2	US-08-974-186-6	Sequence 6, Appli

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OM protein - protein search, using sw model

Run on: May 18, 2006, 12:34:38 ; Search time 174 Seconds  
(without alignments)  
798.646 Million cell updates/sec

Title: US-09-518-931-2  
Perfect score: 1634  
Sequence: 1 MRALEGPGLSLCLVLALPA.....RVARMPGLERSVRERFLPVH 300

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_AA\_Main:\*  
1: /EMC\_Celerra\_SIDS3/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
2: /EMC\_Celerra\_SIDS3/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
3: /EMC\_Celerra\_SIDS3/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
4: /EMC\_Celerra\_SIDS3/ptodata/2/pubpaa/US10A\_PUBCOMB.pep:\*  
5: /EMC\_Celerra\_SIDS3/ptodata/2/pubpaa/US10B\_PUBCOMB.pep:\*  
6: /EMC\_Celerra\_SIDS3/ptodata/2/pubpaa/US11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	1634	100.0	300	3	US-09-896-096A-1
2	1634	100.0	300	3	US-09-894-924-1
3	1634	100.0	300	3	US-09-935-727-2
4	1634	100.0	300	4	US-10-129-709-3
5	1634	100.0	300	4	US-10-125-985-2
6	1634	100.0	300	4	US-10-310-793-6
7	1634	100.0	300	4	US-10-369-300-19
8	1634	100.0	300	4	US-10-375-680-52
9	1634	100.0	300	4	US-10-418-242-2
10	1634	100.0	300	4	US-10-456-819-1
11	1634	100.0	300	4	US-10-793-269-2
12	1634	100.0	300	4	US-10-688-132-1
13	1634	100.0	300	4	US-10-466-786-3
14	1634	100.0	300	5	US-10-871-907-1
15	1634	100.0	300	5	US-10-775-180-145
16	1634	100.0	300	5	US-10-775-180-151

17	1634	100.0	300	5	US-10-775-180-157	Sequence 157, App
18	1634	100.0	300	5	US-10-775-180-158	Sequence 158, App
19	1634	100.0	300	5	US-10-943-197-49	Sequence 49, Appl
20	1634	100.0	300	5	US-10-775-204-439	Sequence 439, App
21	1634	100.0	300	5	US-10-775-204-452	Sequence 452, App
22	1634	100.0	300	5	US-10-775-204-491	Sequence 491, App
23	1634	100.0	300	5	US-10-775-204-494	Sequence 494, App
24	1634	100.0	300	6	US-11-154-257-2	Sequence 2, Appli
25	1634	100.0	341	4	US-10-106-698-4514	Sequence 4514, Ap
26	1634	100.0	885	5	US-10-775-180-88	Sequence 88, Appl
27	1634	100.0	885	5	US-10-775-180-89	Sequence 89, Appl
28	1634	100.0	885	5	US-10-775-204-275	Sequence 275, App
29	1634	100.0	885	5	US-10-775-204-278	Sequence 278, App
30	1634	100.0	887	5	US-10-775-180-76	Sequence 76, Appl
31	1634	100.0	887	5	US-10-775-204-223	Sequence 223, App
32	1619.5	99.1	299	3	US-09-877-156-17	Sequence 17, Appl
33	1619	99.1	300	4	US-10-793-269-4	Sequence 4, Appli
34	1612	98.7	300	3	US-09-840-795-2	Sequence 2, Appli
35	1532	93.8	326	4	US-10-264-049-3112	Sequence 3112, Ap
36	1499	91.7	879	5	US-10-775-180-77	Sequence 77, Appl
37	1499	91.7	879	5	US-10-775-204-224	Sequence 224, App
38	1492.5	91.3	880	5	US-10-775-180-70	Sequence 70, Appl
39	1492.5	91.3	880	5	US-10-775-180-74	Sequence 74, Appl
40	1492.5	91.3	880	5	US-10-775-180-87	Sequence 87, Appl
41	1492.5	91.3	880	5	US-10-775-180-90	Sequence 90, Appl
42	1492.5	91.3	880	5	US-10-775-204-217	Sequence 217, App
43	1492.5	91.3	880	5	US-10-775-204-221	Sequence 221, App
44	1492.5	91.3	880	5	US-10-775-204-274	Sequence 274, App
45	1492.5	91.3	880	5	US-10-775-204-279	Sequence 279, App

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OM protein - protein search, using sw model

Run on: May 18, 2006, 12:34:53 ; Search time 9 Seconds  
(without alignments)  
71.204 Million cell updates/sec

Title: US-09-518-931-2  
Perfect score: 1634  
Sequence: 1 MRALEGPGLSLLCLVLALPA.....RVARMPGLERSVRERFLPVH 300

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 21570 seqs, 2136119 residues

Total number of hits satisfying chosen parameters: 21570

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_AA\_New:\*  
1: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*  
2: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
3: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
4: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
5: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*  
6: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*  
7: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US11\_NEW\_PUB.pep:\*  
8: /EMC\_Celerra\_SIDS3/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	% Query		DB	ID	Description
		Match	Length			
1	351.5	21.5	461	6	US-10-511-937-2945	Sequence 2945, Ap
2	351.5	21.5	461	7	US-11-183-218-32	Sequence 32, Appl
3	287	17.6	655	6	US-10-505-928-843	Sequence 843, App
4	287	17.6	655	6	US-10-196-749-418	Sequence 418, App
5	226	13.8	277	6	US-10-511-937-2455	Sequence 2455, Ap
6	211	12.9	197	7	US-11-211-917-139	Sequence 139, App
7	211	12.9	277	6	US-10-511-937-2518	Sequence 2518, Ap
8	155.5	9.5	260	6	US-10-511-937-2519	Sequence 2519, Ap
9	147	9.0	153	7	US-11-211-917-140	Sequence 140, App
10	134	8.2	468	6	US-10-511-937-2595	Sequence 2595, Ap
11	131	8.0	440	7	US-11-254-182-49	Sequence 49, Appl
12	128.5	7.9	417	6	US-10-505-928-793	Sequence 793, App
13	125.5	7.7	1255	6	US-10-538-066-364	Sequence 364, App
14	125.5	7.7	1255	7	US-11-223-945-43	Sequence 43, Appl

15	122	7.5	411	7	US-11-254-182-47	Sequence 47, Appl
16	119.5	7.3	5738	6	US-10-505-928-150	Sequence 150, App
17	109.5	6.7	111	7	US-11-211-917-141	Sequence 141, App
18	108.5	6.6	1645	6	US-10-505-928-582	Sequence 582, App
19	105	6.4	1193	6	US-10-505-928-537	Sequence 537, App
20	103.5	6.3	404	7	US-11-251-465-23	Sequence 23, Appl
21	103.5	6.3	969	6	US-10-505-928-94	Sequence 94, Appl
22	99.5	6.1	1259	7	US-11-223-945-40	Sequence 40, Appl
23	99.5	6.1	1308	7	US-11-248-122-2	Sequence 2, Appli
24	99	6.1	1821	6	US-10-505-928-451	Sequence 451, App
25	93.5	5.7	417	6	US-10-196-749-474	Sequence 474, App
26	91	5.6	632	6	US-10-505-928-377	Sequence 377, App
27	90.5	5.5	1435	6	US-10-196-749-581	Sequence 581, App
28	89	5.4	1130	7	US-11-312-958-52	Sequence 52, Appl
29	88.5	5.4	258	6	US-10-196-749-284	Sequence 284, App
30	88.5	5.4	3020	7	US-11-140-487A-772	Sequence 772, App
31	88	5.4	713	6	US-10-196-749-416	Sequence 416, App
32	88	5.4	798	6	US-10-511-937-2445	Sequence 2445, Ap
33	87	5.3	615	7	US-11-248-122-4	Sequence 4, Appli
34	86.5	5.3	4440	6	US-10-196-749-525	Sequence 525, App
35	85	5.2	1743	6	US-10-196-749-451	Sequence 451, App
36	84.5	5.2	855	7	US-11-254-185-2	Sequence 2, Appli
37	84	5.1	1822	6	US-10-505-928-700	Sequence 700, App
38	83.5	5.1	448	7	US-11-267-942-5	Sequence 5, Appli
39	83.5	5.1	813	6	US-10-196-749-466	Sequence 466, App
40	83.5	5.1	1247	6	US-10-505-928-371	Sequence 371, App
41	83	5.1	142	7	US-11-254-182-22	Sequence 22, Appl
42	82.5	5.0	799	6	US-10-505-928-716	Sequence 716, App
43	82.5	5.0	2026	6	US-10-505-928-831	Sequence 831, App
44	81.5	5.0	448	6	US-10-196-749-408	Sequence 408, App
45	80.5	4.9	177	7	US-11-223-945-37	Sequence 37, Appl